## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re US Patent Application of	)
Boris A. Olshvanger and Gregory Bogorodzki	)
Filed: Simultaneously herewith.	)
Titled: IMPROVED ENTRANCE WINDOW	)
FOR GAS FILLED RADIATION	)
DETECTORS	) Date:

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450

Dear Sir:

Attached hereto is the following patent document that is listed on attached Form PTO/SB/08A:

United States Patent No. 3,296,478, issued January 3, 1967, to Ichinokawa, and titled PROPORTIONAL COUNTER HAVING A POLYCARBONATE WINDOW, describes proportional counter in which mica or beryllium windows are replaced with polycarbonate in order to satisfactorily detect carbon in a fluorescent X-ray analyzer or an electron probe X-ray microanalyzer.

United States Patent No. 3,196,200, issued October 28, 1975, to Sparks, Jr. et al., and titled WINDOW FOR RADIATION DETECTORS AND THE LIKE, describes an ionizing radiation detector in which the beryllium window is replaced with a graphite window.

150-125

United States Patent No. 4,178,509, issued December 11, 1979, to more et al., and titled SENSITIVITY PROPORTIONAL COUNTER WINDOW, describes a proportional counter window comprising beryllium sealed with thin layer of a thermoplastic material.

United States Patent No. 4,933,557, issued June 12, 1990, to Perkins et al. and titled RADIATION DETECTOR WINDOW STRUCTURE AND METHOD OF MANUFACTURING THEREOF, describes a support structure for a radiation detector window, comprising a frame with a plurality of ribs having smoothed and rounded tops which contact the window.

United States Patent No. 5,013,922, issued May 7,1991, to Little et al., and titled REDUCED THICKNESS RADIATION WINDOW FOR AN IONIZATION DETECTOR, describes an X-ray detector in which the collimator support or the collimators themselves press against edges of the outside of the window of the detector, thus permitting the window to be much thinner than usual.

United States Patent No. 5,345,083, issued September 6, 1994, and titled X-RAY DETECTOR COMPRISING AN IMPROVED ENTRANCE WINDOW, describes an Xray detector in which the electrically conductive layer on the inside of the window thereof is formed from iridium, platinum, gold, or a mixture thereof.

Respectfully submitted,

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PTO/SB/08A (10-96)
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Substitute fo	or form 1449A	/PTO		Compl te if Known		
				Application Number		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			CLOSURE	Filing Date		
			PPLICANT	First Named Inventor	Boris A. Olshvanger	
				Group Art Unit		
(use as many sheets as necessary)				Examiner Name		
Sheet	1	of	1	Attorney Docket Number	150–125	

			;	U.S. PATENT DOC	JMENTS	
Examiner Initials*	Cite No.1	U.S. Paten Number	Kind Code <sup>2</sup>	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	·.	3,296,4		Ichinokawa	01/67	
		3,916,2	00	Sparks, Jr. et al.	10/75	
ļ		4,178,5	09	More et al	12/79	
		4,933,5	57	Perkins et al.	06/90	
		5,013,9	22	Little et al.	05/91	······································
		5,345.0	83	De Koning	09/94	
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Examiner	Date	
Signature	Considered	

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.



<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.